

2010 New Product Release

ONKYO
 IMAGINATIVE SIGHT & SOUND

TX-NR3008 9.2-Channel Network AV Receiver

BLACK SILVER



Microphone for Audyssey



High-End Network Receiver Delivers Precision, Power, and Pulse-Raising Performance

Once again upping the ante for high-end A/V receivers, Onkyo packs the TX-NR3008 with an extremely generous selection of cutting-edge home cinema features. This 9.2-channel networking behemoth has the flexibility to handle the latest high-def and surround formats from DTS, Dolby, and Audyssey, while also giving you the scope for powered audio in two extra rooms. Among the connectivity highlights are an analog PC video input, a front-panel USB input, and eight new HDMI® 1.4a inputs providing compatibility with 3D video content. All video sources can be upscaled via HDMI and HQV Reon VX to breathtaking widescreen 1080p, with ISF calibration ensuring optimal video performance. PC-based audio and internet radio come into play too, thanks to DLNA 1.5-compatible network streaming. The key to the TX-NR3008's dynamic home cinema performance is its high-end amplifier design: proprietary VLSC™ for all channels, a massive transformer, and two separate transformers for audio and video processing. So sit back, strap in, and prepare to be amazed.

HDMI® 1.4a Support for 3D Video and Audio Return Channel

The eight HDMI 1.4a inputs on the TX-NR3008 let you simultaneously connect high-def sources such as a Blu-ray player, a gaming console, and a cable/satellite tuner. And the two HDMI outputs let you send a pristine signal at the same time to two different high-resolution displays. As the latest version of this connector, HDMI 1.4a adds the exciting possibilities of 3D video and an Audio Return Channel. 3D video is the next big thing in home entertainment, with movie, game, and broadcast content on the increase and 3D-compatible TVs coming to market. The TX-NR3008 also offers the convenience of an Audio Return Channel via HDMI. Audio content received directly by your HDTV's tuner can be sent "upstream" to your A/V receiver, without the need for a separate S/PDIF audio cable.

DLNA and Internet Radio via Network Function with DLNA 1.5 and Windows® 7 Compatibility

As one of Onkyo's new breed of receivers that can link directly to the internet or to your home PC via a local network, the TX-NR3008 takes streaming audio and internet radio to a whole new level. MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM audio files—whether on your PC or from the internet—can now be played back through your main system with unprecedented power and fidelity. The TX-NR3008 brings to life a huge array of internet radio channels from

Last.fm, and vTuner*. As well as being compatible with earlier platforms, the receiver is compatible with Microsoft's new Windows 7 platform, which includes the DLNA 1.5-specified "Play To" media-streaming feature. Another benefit of having the TX-NR3008 connected to the internet is that you can then easily update its firmware.

*Availability of services depends on region.

THX® Ultra2 Plus™ Certified

The ultimate benchmark for home audio performance, THX Ultra2 Plus is specified for rooms where the screen-to-seat viewing distance is more than 4 meters and the room volume is 85 cubic meters or greater. To achieve THX Ultra2 Plus certification, the TX-NR3008 must meet the world's most demanding standards for home cinema audio quality and performance, and must play at reference volume levels with minimal distortion.

Advanced Video Processing and 1080p Upscaling with HQV Reon-VX

HQV Reon-VX is the most sophisticated video-processing chip available for home cinema. It provides the ultimate support for 1080p scaling: for filtering of jaggies and artifacts; and for the reduction of random, "mosquito", and block (codec) noise. HQV Reon-VX also enables color region enhancement and the rendering of more than one billion colors.



TX-NR3008 9.2-Channel Network A/V Receiver

VLSC™ (Vector Linear Shaping Circuitry)

Onkyo's VLSC employs a unique digital-to-analog conversion circuit to mitigate the effects of signal noise. Data is converted between discrete sampling points, which are then joined with analog vectors in real-time to produce a continuous output wave form. The result—a noiseless, smooth analog signal based on the digital source.

Harnessing Power for Audio Performance

Onkyo's H.C.P.S. (High Current Power Supply) concept is based around power transformers with the capability to respond to the wide dynamics of home cinema. In the case of the TX-NR3008, a massive main transformer improves power efficiency and radiates very little noise into the surrounding circuitry, while two separate transformers cater specifically to audio and video processing. The TX-NR3008 also employs large, custom-designed transistors to drive the high currents that today's home entertainment demands.

Tailor Multichannel Audio to Your Home with Audyssey and Dolby Technologies

The TX-NR3008 is equipped with MultEQ® XT32, Audyssey's most powerful room-correction technology. MultEQ XT32 gathers frequency and time-domain measurements from up to 8 positions in the listening area, to deliver a clear, well-balanced, and natural sound. Two other Audyssey technologies, Dynamic EQ® and Dynamic Volume®, work to optimize frequency response and dynamic range at all volume levels. In a similar vein, Dolby® Volume performs independent loudness adjustments to different frequencies and channels to produce a listening experience that includes all the dynamics of the original mix at whatever volume you choose. It also offers the option of maintaining playback volume at the same user-chosen level across all input sources.

ADVANCED FEATURES

- THX® Ultra2 Plus™ Certified
- HDMI® (Version 1.4a to Support 3D and Audio Return Channel) with Deep Color™, x.v.Color™, LipSync, Dolby® TrueHD, DTS-HD Master Audio™, DVD-Audio, Super Audio CD, Multichannel PCM, and CEC
- 8 HDMI Inputs (1 Front/7 Rear) and 2 Outputs
- HDMI Video Upscaling to 1080p with HQV Reon-VX
- VLSC™ (Vector Linear Shaping Circuitry) for All Channels
- Massive Transformer and Two Separate Transformers for Audio and Video Processing
- Burr-Brown 192 kHz/24-Bit DACs (PCM1796 x 6) for All Channels
- DSD Direct for Super Audio CD
- Audyssey MultEQ® XT32 for Room Acoustic Correction
- Dolby® Volume for Reference-Quality Listening Experience at Any Volume
- Network Capability for Streaming Audio Files (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM)
- Internet Radio Connectivity (Last.fm, and vTuner)*
- Powered Zone 2/3 and Zone 2/3 Pre Outs for Distributed Audio Playback in Multiple Rooms
- Zone 2 Monitor Output (Composite Video)
- Bi-Amping and BTL (Bridged Transless) Capability
- Gold-Plated, Machined Solid Brass, 18 mm-Pitch Audio Inputs (TV/CD and Phono)

*Availability of services depends on region.

AMPLIFIER FEATURES

- 200 W/Ch at 6 , 1 kHz, 1 Channel Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- Three-Stage Inverted Darlington Circuitry
- H.C.P.S. (High Current Power Supply) Massive High Power Transformer
- Linear Optimum Gain Volume Circuitry
- Large-Size Transistors for High-Current Drive

PROCESSING FEATURES

- Three 32-Bit Processing DSP Chips (DA830 x 1, DA788 x 2)
- PLL Jitter-Cleaning Circuit Technology
- Audyssey DSX™ and Dolby® Pro Logic® IIz for New Surround Channels
- Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding
- DTS Neural Surround™ Decoding
- 4 DSP Modes for Gaming: Rock, Sports, Action, and RPG
- Music Optimizer™ for Compressed Digital Music Files
- Direct Mode and Pure Audio Mode
- A-Form Listening Mode Memory
- Theater-Dimensional Virtual Surround Function

CONNECTION FEATURES

- Front-Panel USB Input for Memory Devices and iPhone/iPod Models (Enables Display of Album Artwork)
- Universal Port for Single-Cable Connection of Optional Onkyo Dock for iPhone/iPod or DAB+ Radio Tuner
- Component Video Switching (3 Inputs and 1 Output)
- 4 S-Video Inputs and 1 Output
- Analog RGB Video Input (D-sub, 15 pin) and Audio Input for PC
- 6 Digital Inputs (3 Optical and 3 Coaxial)
- 5 A/V Inputs (1 Front/4 Rear) and 1 Output
- Color-Coded, 7.1 Multichannel Inputs
- Video/S-Video Outputs (Monitor)
- 1 Audio Input and 1 Output
- Color-Coded, 9.2 Multichannel Pre Outs (Including 2 Independent Subwoofer Pre Outs)
- RS232 Port, IR (In/Out), and 12 V Trigger Outs (Zone 2/3)
- Color-Coded, Banana Plug-Compatible Speaker Posts
- RIHD (Remote Interactive over HDMI) for System Control

OTHER FEATURES

- ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance
- Certified with Windows® 7 and DLNA Version 1.5
- Firmware Updates via Ethernet and USB
- Audyssey Dynamic EQ® for Loudness Correction
- Audyssey Dynamic Volume® to Maintain Optimal Listening Level and Dynamic Range
- Overlaid Graphical On-Screen Display (OSD) via All Video Outputs
- Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz)
- A/V Sync Control Function (Up to 250 ms in 5 ms Steps)
- 40 FM/AM Random Presets
- RDS (PS/RT/PTY/TP)
- Compatible with RI (Remote Interactive) Dock for iPod
- Bi-Directional, Preprogrammed, and Customizable RI Remote Control with Backlight, On-Screen Setup, Mode-Key LEDs, and Macro Presets for Four Activities

SPECIFICATIONS

AMPLIFIER SECTION

Power Output

Front L/R	200 W/Ch (6 , 1 kHz, 1 channel driven, IEC)
Center	200 W (6 , 1 kHz, 1 channel driven, IEC)
Surround L/R	200 W/Ch (6 , 1 kHz, 1 channel driven, IEC)
Surround Back L/R	200 W/Ch (6 , 1 kHz, 1 channel driven, IEC)
Front High L/R, Front Wide L/R, or Zone 2/3 L/R	200 W/Ch (6 , 1 kHz, 1 channel driven, IEC)

Dynamic Power

320 W (3 , Front)
270 W (4 , Front)
160 W (8 , Front)

THD (Total Harmonic Distortion)

0.05% (Rated power)

Damping Factor

60 (Front, 1 kHz, 8)

Input Sensitivity and Impedance

200 mV/47 k (Line)
2.5 mV/47 k (Phono MM)

Rated RCA Output Level and Impedance

200 mV/470 (Pre out)

Maximum RCA Output Level and Impedance

5.5 V/470 (Pre out)

Phono Overload

70 mV (MM, 1 kHz, 0.5%)

Frequency Response

5 Hz–100 kHz/±1 dB, -3 dB (Direct mode)

Tone Control

±10 dB, 50 Hz (Bass)
±10 dB, 20 kHz (Treble)

Signal-to-Noise Ratio

110 dB (Line, IHF-A)
80 dB (Phono, IHF-A)

Speaker Impedance

4 –16 or 6 –16

VIDEO SECTION

Input Sensitivity/Output Level and Impedance

Video	1.0 Vp-p/75 (Component and S-Video Y)
	0.7 Vp-p/75 (Component Pb/Cb, Pr/Cr)
	0.28 Vp-p/75 (S-Video C)
	1.0 Vp-p/75 (Composite)

Component Video Frequency Response

5 Hz–100 MHz/0 dB, -3 dB

TUNER SECTION

Tuning Frequency Range

FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz

FM/AM Preset Memory

40 stations

GENERAL

Power Supply

AC 220–240 V~, 50/60 Hz

Power Consumption

1,060 W

Dimensions (W x H x D)

435 x 198.5 x 463.5 mm

Weight

25.0 kg

■ CARTON

Dimensions (W x H x D)

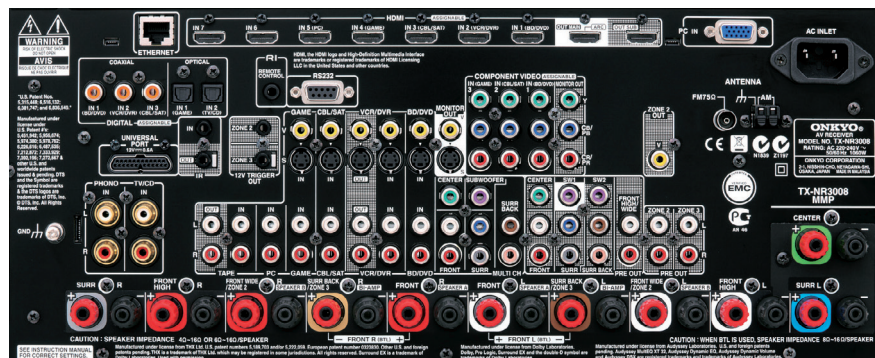
594 x 337 x 576 mm

Weight

31.0 kg

■ Supplied Accessories

- Indoor FM antenna • AM loop antenna • Speaker cable labels
- Speaker set-up microphone • Instruction manual
- Quick set-up guide • Remote controller • AA (R6) batteries x 2



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